

# 3

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/732,914  
DATE: 12/21/2000  
TIME: 09:47:37

Input Set : A:\seqlist-09425010002.txt  
Output Set: N:\CRF3\12212000\I732914.raw

P.6

ENTERED

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5 <110> APPLICANT: Cheo, David
7   Brasch, Michael A.
9   Temple, Gary F.
11  Hartley, James L.
13  Byrd, Devon R.N.
17 <120> TITLE OF INVENTION: Use of Multiple Recombination Sites with Unique Specificity in
18   Recombinational Cloning
22 <130> FILE REFERENCE: 0942.5010002
C--> 26 <140> CURRENT APPLICATION NUMBER: US/09/732,914
28 <141> CURRENT FILING DATE: 2000-12-11
32 <150> PRIOR APPLICATION NUMBER: US 60/169,983
34 <151> PRIOR FILING DATE: 1999-12-10
38 <150> PRIOR APPLICATION NUMBER: US 60/188,020
40 <151> PRIOR FILING DATE: 2000-03-09
44 <160> NUMBER OF SEQ ID NOS: 140
48 <170> SOFTWARE: PatentIn version 3.0
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54 <211> LENGTH: 27
56 <212> TYPE: DNA
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72 <213> ORGANISM: attP0
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84 <212> TYPE: DNA
86 <213> ORGANISM: attL0
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94 <210> SEQ ID NO: 4
96 <211> LENGTH: 27
98 <212> TYPE: DNA
100 <213> ORGANISM: attR0
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114 <213> ORGANISM: attB1
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122 <210> SEQ ID NO: 6

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138 <211> LENGTH: 27
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142 <213> ORGANISM: attL1
146 <400> SEQUENCE: 7
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150 <210> SEQ ID NO: 8
152 <211> LENGTH: 25
154 <212> TYPE: DNA
156 <213> ORGANISM: attR1
160 <400> SEQUENCE: 8
161 gttcagcttt ttgtacaaa cttgt                25
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166 <211> LENGTH: 25
168 <212> TYPE: DNA
170 <213> ORGANISM: attB2
174 <400> SEQUENCE: 9
175 acccagcttt cttgtacaaa gtggt                25
178 <210> SEQ ID NO: 10
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182 <212> TYPE: DNA
184 <213> ORGANISM: attP2
188 <400> SEQUENCE: 10
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196 <212> TYPE: DNA
198 <213> ORGANISM: attL2
202 <400> SEQUENCE: 11
203 acccagcttt cttgtacaaa gttggca                27
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208 <211> LENGTH: 25
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212 <213> ORGANISM: attR2
216 <400> SEQUENCE: 12
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222 <211> LENGTH: 22
224 <212> TYPE: DNA
226 <213> ORGANISM: attB5
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231 caactttatt atacaaagt gt                22
234 <210> SEQ ID NO: 14
236 <211> LENGTH: 27

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254 <213> ORGANISM: attL5
258 <400> SEQUENCE: 15
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266 <212> TYPE: DNA
268 <213> ORGANISM: attR5
272 <400> SEQUENCE: 16
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276 <210> SEQ ID NO: 17
278 <211> LENGTH: 22
280 <212> TYPE: DNA
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290 <210> SEQ ID NO: 18
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294 <212> TYPE: DNA
296 <213> ORGANISM: attP11
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304 <210> SEQ ID NO: 19
306 <211> LENGTH: 24
308 <212> TYPE: DNA
310 <213> ORGANISM: attL11
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318 <210> SEQ ID NO: 20
320 <211> LENGTH: 25
322 <212> TYPE: DNA
324 <213> ORGANISM: attR11
328 <400> SEQUENCE: 20
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346 <210> SEQ ID NO: 22
348 <211> LENGTH: 27
350 <212> TYPE: DNA

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370 <400> SEQUENCE: 23
371 caacttttgt atacaaagtt ggca                24
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376 <211> LENGTH: 25
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380 <213> ORGANISM: attK17
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385 gttcaacttt tgtatacaaa gttgt                25
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394 <213> ORGANISM: attB19
398 <400> SEQUENCE: 25
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404 <211> LENGTH: 27
406 <212> TYPE: DNA
408 <213> ORGANISM: attP19
412 <400> SEQUENCE: 26
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416 <210> SEQ ID NO: 27
418 <211> LENGTH: 24
420 <212> TYPE: DNA
422 <213> ORGANISM: attL19
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430 <210> SEQ ID NO: 28
432 <211> LENGTH: 25
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440 <400> SEQUENCE: 28
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446 <211> LENGTH: 22
448 <212> TYPE: DNA
450 <213> ORGANISM: attB20
454 <400> SEQUENCE: 29
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460 <211> LENGTH: 27
462 <212> TYPE: DNA
464 <213> ORGANISM: attP20

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468 <400> SEQUENCE: 30
469 gttcaacttt ttggtacaaa gttggca                27
472 <210> SEQ ID NO: 31
474 <211> LENGTH: 24
476 <212> TYPE: DNA
478 <213> ORGANISM: attL20
482 <400> SEQUENCE: 31
483 caactttttt gtacaaagtt ggca                24
486 <210> SEQ ID NO: 32
488 <211> LENGTH: 25
490 <212> TYPE: DNA
492 <213> ORGANISM: attK20
496 <400> SEQUENCE: 32
497 gttcaacttt ttggtacaaa gttgt                25
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502 <211> LENGTH: 22
504 <212> TYPE: DNA
506 <213> ORGANISM: attB21
510 <400> SEQUENCE: 33
511 caacttttta atacaaagtt qt                22
514 <210> SEQ ID NO: 34
516 <211> LENGTH: 27
518 <212> TYPE: DNA
520 <213> ORGANISM: attP21
524 <400> SEQUENCE: 34
525 gttcaacttt ttaatacaaaa gttggca                27
528 <210> SEQ ID NO: 35
530 <211> LENGTH: 24
532 <212> TYPE: DNA
534 <213> ORGANISM: attL21
538 <400> SEQUENCE: 35
539 caacttttta atacaaagtt ggca                24
542 <210> SEQ ID NO: 36
544 <211> LENGTH: 25
546 <212> TYPE: DNA
548 <213> ORGANISM: attR21
552 <400> SEQUENCE: 36
553 gttcaacttt ttaatacaaaa gttgt                25
556 <210> SEQ ID NO: 37
558 <211> LENGTH: 15
560 <212> TYPE: DNA
562 <213> ORGANISM: 15 bp Core Region
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570 <210> SEQ ID NO: 38
572 <211> LENGTH: 21
574 <212> TYPE: DNA
576 <213> ORGANISM: Reference Sequence
580 <400> SEQUENCE: 38

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY                      DATE: 12/21/2000  
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Input Set : A:\seqlist-09425010002.txt  
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L:26 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94  
L:1793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:1921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:1985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109  
L:2019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110  
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113  
L:2105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114  
L:2157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117  
L:2485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139  
L:2509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140